Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/27/2020 12:23 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125733	0	2.83	125910	2.80
Blue	F	SSC	125000	122327	-3	1.78	123157	1.77
Blue	E	FITC	15892	15425	-3	2.76	337	19.81
Blue	D	PE	29999	29686	-2	1.94	646	14.66
Blue	B	PerCP-Cy5-5	43732	43713	-1	3.66	1172	20.58
Blue	A	PE-Cy7	30845	30970	0	6.09	594	39.87
Red	C	APC	46112	45308	-2	2.56	1602	12.21
Red	A	APC-Cy7	30458	29707	-3	2.35	784	11.91
Violet	B	V450	7918	7560	-5	4.87	424	12.72
Violet	A	V500	32171	30694	-5	4.74	715	10.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17507	16.07	625	4	N/A	N/A	Pass
Blue	F	SSC	55745	1.28	563	4	N/A	N/A	Pass
Blue	E	FITC	61	63.54	543	0	0.0204	116	Pass
Blue	D	PE	135	49.42	550	2	0.1640	265	Pass
Blue	B	PerCP-Cy5-5	215	50.09	657	1	0.0088	43	Pass
Blue	A	PE-Cy7	110	101.44	700	2	0.0116	25	Pass
Red	C	APC	382	24.86	586	2	0.0237	91	Pass
Red	A	APC-Cy7	172	28.63	558	2	0.0056	919	Pass
Violet	B	V450	64	57.53	461	3	0.0604	2131	Pass
Violet	A	V500	107	30.45	477	3	0.0233	322	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.51	-32.13	0.96
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.45
Red	16.37	13.60 - 20.40	N/A	N/A	29.63	30.01	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9662

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments